

What is claimed is:

1. A service rig, comprising:
  - a mast;
  - a torque carrier suspended from the mast; and
  - a brace having a torque carrier end connected to the torque carrier for conveying torque from the torque carrier into the brace, the brace having an anchored end with a fastener for attaching the brace to the back of the rig or a substructure at a well.
2. The service rig of claim 1 in which, when the service rig has a substructure and is in operation over the well, the anchored end of the brace is horizontally offset from a point on the substructure directly below the torque carrier end of the brace.
3. The service rig of claim 2 in which the anchored end of the brace, when in operative position, is oriented parallel to an extension of the torque carrier.
4. The service rig of claim 1 in which the anchored end of the brace constitutes an offset extension of the torque carrier.
5. The service rig of claim 1 in which the service rig has a substructure and the brace is attached to the substructure.
6. A workover rig, comprising:
  - a mast;
  - a torque carrier suspended from the mast; and
  - a brace having a torque carrier end connected to the torque carrier for conveying torque from the torque carrier into the brace, the brace having an anchored end with a fastener for attaching the brace to the back of the rig or a substructure at a well.

7. The workover rig of claim 6 in which, when the workover rig has a substructure and is in operation over the well, the anchored end of the brace is horizontally offset from a point on the substructure directly below the torque carrier end of the brace.
8. The workover rig of claim 7 in which the anchored end of the brace, when in operative position, is oriented parallel to an extension of the torque carrier.
9. The workover rig of claim 6 in which the anchored end of the brace constitutes an offset extension of the torque carrier.
10. The workover rig of claim 6 in which the workover rig has a substructure and the brace is attached to the substructure.